IN THE CLAIMS

Please amend the claims as follows, substituting any amended claim(s) for the corresponding pending claim(s):

1. (Withdrawn) A Voice over Internet Protocol (VoIP) terminal, comprising:

a network interface that communicates with a servicing network to service packetized communications;

a processing unit communicatively coupled to the network interface;

a programmable COder/DECoder (CODEC) communicatively coupled to and controlled by the processing unit that converts incoming packetized communications to incoming user communications and that converts outgoing user communications to outgoing packetized communications according to a selected coding scheme;

a user interface communicatively coupled to the programmable CODEC that receives the incoming user communications and that produces the outgoing user communications;

whereby the processing unit monitors the serviced packetized communications to determine a communication quality level delivered by the network interface; and

whereby the processing unit chooses the selected coding scheme from a plurality of supported coding schemes based upon the communication quality level.

2. (Withdrawn) The VoIP terminal of Claim 1, whereby the processor communicates with a far-end terminal to determine the selected coding scheme.

3. (Withdrawn) The VoIP terminal of Claim 1, wherein the supported coding schemes comprise at least one audio and/or video coding scheme selected from the group consisting of:

Huffman encoding, ITU-T G.711, u-law, A-law, CCITT G.721, CCITT G.723, ITU-T G.726, ITU-T G.723.1, ITU-T G.723.1A, ITU-T G.729, ITU-T G.729A, ITU-T G.729AB, ITU-T G.729E, ITU-T G.728, ITU-T G.722, ITU-T G.722.1, ITU-T G.722.2,

GSM-EFR, GSM AMR, IMA/DVI ADPCM, Microsoft ADPCM,LPC-10E, CELP GSM 06.10, shorten, Real Audio, MPEG, ACE and MACE.

4. (Withdrawn) The VoIP terminal of Claim 1, further comprising:

a jitter buffer

whereby the processing unit monitors the latency of the jitter buffer to determine the communication quality level.

5. (Withdrawn) The VoIP terminal of Claim 1, whereby the processing unit further interacts with a far-end terminal in choosing the selected coding scheme.

6. (Withdrawn) The VoIP terminal of Claim 1, whereby the network interface monitors a plurality of APs and selects a servicing AP based upon an expected service quality level.

7. (Withdrawn) The VoIP terminal of Claim 1, whereby the network interface comprises a wireless interface operable to:

monitor a plurality of access points (APs);

query at least one of the plurality of APs to determine a service quality that could be provided by the AP; and

registers with a new AP when a service quality to be provided by the new servicing AP exceeds a service quality provided by the servicing AP by a predetermined service quality level.

8. (Withdrawn) The VoIP terminal of Claim 1, wherein the user communications are audio communications.

9. (Withdrawn) The VoIP terminal of Claim 1, wherein the user communications are audiovisual communications.

10. (Withdrawn) The VoIP terminal of claim 9, wherein the audiovisual communications are video conferencing communications.

11. (Withdrawn) The VoIP terminal of Claim 1, the user communications are video communications.

12. (Currently Amended) A method of servicing real-time communications to a Wireless Local Area Network (WLAN) terminal, comprising:

receiving incoming and outgoing user communications at a user interface of a WLAN terminal;

selecting an initial coding scheme from a plurality of supported coding schemes with a programmable COder/DECoder (CODEC), each of the plurality of supported coding schemes being associated with a different one of a plurality of codec protocols;

converting incoming user communications from packetized communications and outgoing user communications to packetized communications according to the selected coding scheme;

exchanging packetized communications between a servicing Access Point (AP) of the WLAN and the WLAN terminal at a communication quality level;

measuring the communication quality level [[for]] <u>of</u> an uplink path from the WLAN terminal to the AP, the communication quality level being based on latency of the outgoing user communications at the AP; and

revising the selected coding scheme from the plurality of supported coding schemes based upon only the communication quality level delivered between the AP and WLAN terminal.

13. (Original) The method of Claim 12, further comprising:

exchanging packetized communications between the WLAN terminal and a far-end terminal;

monitoring a communication quality level between the WLAN terminal and the far-end terminal to determine the communication quality level delivered between the WLAN terminal and the far-end terminal; and

revising the selected coding scheme from the plurality of supported coding schemes based upon the communication quality level delivered between the WLAN terminal and the far-end terminal.

14. (Original) The method of Claim 13, wherein the supported coding schemes comprise at least one audio and/or video coding scheme selected from the group consisting of Huffman encoding, ITU-T G.711, u-law, A-law, CCITT G.721, CCITT G.723, ITU-T G.726, ITU-T G.723.1, ITU-T G.723.1A, ITU-T G.729, ITU-T G.729A, ITU-T G.729AB, ITU-T G.729E, ITU-T G.728, ITU-T G.722, ITU-T G.722.1, ITU-T G.722.2, GSM-EFR, GSM AMR, IMA/DVI ADPCM, Microsoft ADPCM,LPC-10E, CELP GSM 06.10, shorten, Real Audio, MPEG, ACE and MACE.

15. (Previously Presented) The method of Claim 13, further comprising monitoring the latency of a jitter buffer to determine the communication quality level between the AP and WLAN termina.

16. (Previously Presented) The method of Claim 13, further comprising interacting with the far-end terminal to revise the selected coding scheme.

17. (Original) The method of Claim 12, further comprising monitoring a plurality of APs by the wireless terminal and selecting the servicing AP based upon an expected service quality level.

18. (Original) The method of Claim 17, wherein monitoring the plurality of APs further comprises:

querying at least one of the plurality of APs to determine the expected service quality level from the AP; and

registering with a new servicing AP when the expected service quality level to be provided by the new servicing AP exceeds the expected service quality level provided by the servicing AP by a predetermined service quality level.

19. (Original) The method of Claim 12, wherein the user communications are audio communications.

20. (Original) The method of Claim 12, wherein the user communications are audiovisual communications.

21. (Original) The method of Claim 12, wherein the audiovisual communications are video conferencing communications.

22. (Original) The method of Claim 12, wherein the user communications are video communications.

23. (Currently Amended) A Wireless Local Area Network (WLAN) terminal, comprising:

a wireless interface that communicates with a servicing Access Point (AP) of the WLAN to service packetized communications;

a processing unit communicatively coupled to the wireless interface, whereby the processor communicates with a far-end terminal;

a programmable COder/DECoder (CODEC) communicatively coupled to and controlled by the processing unit that converts incoming packetized communications to incoming user communications and that converts outgoing user communications to outgoing packetized communications according to a selected coding scheme;

a user interface communicatively coupled to the programmable CODEC that receives the incoming user communications and that produces the outgoing user communications;

whereby the processing unit chooses the selected coding scheme from a plurality of supported coding schemes, each associated with a different one of a plurality of codec protocols, based upon the selected coding scheme assigned by the AP in response to the AP measuring a communication quality level [[for]] <u>of</u> an uplink path from the WLAN terminal to the AP, the communication quality level being based on latency of the

outgoing user communications at the AP, the selected coding scheme being assigned based upon only the communication quality level between the AP and WLAN terminal.

24. (Original) The WLAN terminal of Claim 23, wherein the supported coding schemes comprise at least one audio and/or video coding scheme selected from the group consisting of Huffman encoding, ITU-T G.711, u-law, A-law, CCITT G.721, CCITT G.723, ITU-T G.726, ITU-T G.723.1, ITU-T G.723.1A, ITU-T G.729, ITU-T G.729A, ITU-T G.729AB, ITU-T G.729E, ITU-T G.728, ITU-T G.722, ITU-T G.722.1, ITU-T G.722.2, GSM-EFR, GSM AMR, IMA/DVI ADPCM, Microsoft ADPCM,LPC-10E, CELP GSM 06.10, shorten, Real Audio, MPEG, ACE and MACE.

25. (Previously Presented) The WLAN terminal of Claim 23, further comprising:

a jitter buffer whereby the processing unit monitors that latency of the jitter buffer to determine the communication quality level.

26. (Original) The WLAN terminal of Claim 25, whereby the wireless interface monitors a plurality of APs and selects a servicing AP based upon an expected service quality level.

27. (Original) The WLAN terminal of Claim 23, whereby the wireless interface:

monitors a plurality of APs;

queries at least one of the plurality of APs to determine a service quality that could be provided by the AP; and

registers with a new AP when a service quality to be provided by the new servicing AP exceeds a service quality provided by the servicing AP by a predetermined service quality level.

28. (Previously Presented) The WLAN terminal of Claim 23, wherein the user communications are audio communications.

29. (Previously Presented) The WLAN terminal of Claim 23, wherein the user communications are audiovisual communications.

30. (Previously Presented) The WLAN terminal of claim 29, wherein the audiovisual communications are video conferencing communications.

31. (Previously Presented) The WLAN terminal of Claim 23, wherein the user communications are video communications.

32. (Currently Amended) A Wireless Local Area Network (WLAN) terminal, comprising:

a wireless interface that communicates with a servicing Access Point (AP) of the WLAN to service packetized communications;

a processing unit communicatively coupled to the wireless interface;

a programmable COder/DECoder (CODEC) communicatively coupled to and controlled by the processing unit that converts incoming packetized communications to incoming user communications and that converts outgoing user communications to outgoing packetized communications according to a selected coding scheme;

a user interface communicatively coupled to the programmable CODEC that receives the incoming user communications and that produces the outgoing user communications;

whereby the processing unit chooses the selected coding scheme from a plurality of supported coding schemes, each associated with a different one of a plurality of codec protocols, based upon the selected coding scheme assigned by the AP in response to the AP measuring a communication quality level [[for]] <u>of</u> an uplink path from the WLAN terminal to the AP, the communication quality level being based on latency of the outgoing user communications at the AP, the selected coding scheme being assigned based upon only the communication quality level.

33. (Previously Presented) The WLAN terminal of Claim 32, whereby the processor communicates with a far-end terminal to indicate the selected coding rate.

34. (Previously Presented) The WLAN terminal of Claim 32, wherein the supported coding schemes comprise at least one audio and/or video coding scheme selected from the group consisting of:

Huffman encoding, ITU-T G.711, u-law, A-law, CCITT G.721, CCITT G.723, ITU-T G.726, ITU-T G.723.1, ITU-T G.723.1A, ITU-T G.729, ITU-T G.729A, ITU-T G.729AB, ITU-T G.729E, ITU-T G.728, ITU-T G.722, ITU-T G.722.1, ITU-T G.722.2, GSM-EFR, GSM AMR, IMA/DVI ADPCM, Microsoft ADPCM,LPC-10E, CELP GSM 06.10, shorten, Real Audio, MPEG, ACE and MACE.

35. (Previously Presented) The WLAN terminal of Claim 32, further comprising:

a jitter buffer

whereby the processing unit monitors the latency of the jitter buffer to determine the communication quality level.

36. (Previously Presented) The WLAN terminal of Claim 32, whereby the processing unit further interacts with a far-end terminal in choosing the selected coding scheme.

37. (Previously Presented) The WLAN terminal of Claim 32, whereby the wireless interface monitors a plurality of APs and selects a servicing AP based upon an expected service quality level.

38. (Previously Presented) The WLAN terminal of Claim 32, whereby the wireless interface:

monitors a plurality of APs;

queries at least one of the plurality of APs to determine a service quality that could be provided by the AP; and

registers with a new AP when a service quality to be provided by the new servicing AP exceeds a service quality provided by the servicing AP by a predetermined service quality level.

39. (Previously Presented) The WLAN terminal of Claim 32, wherein the user communications are audio communications.

40. (Previously Presented) The WLAN terminal of Claim 32, wherein the user communications are audiovisual communications.

41. (Previously Presented) The WLAN terminal of claim 40, wherein the audiovisual communications are video conferencing communications.

42. (Previously Presented) The WLAN terminal of Claim 32, the user communications are video communications.